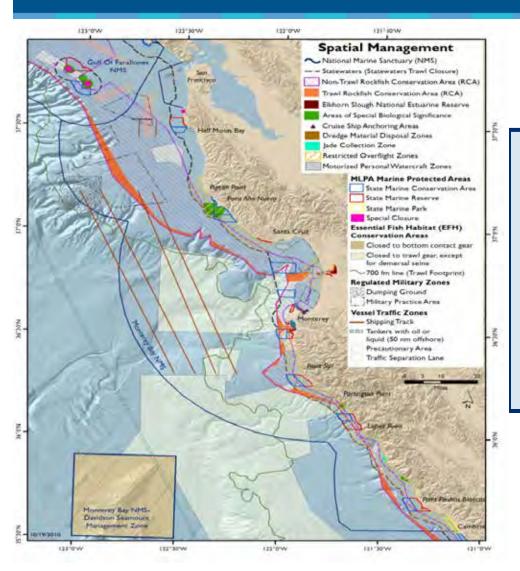


Monterey Bay National Marine Sanctuary Ecosystem-based Management Initiative

SAC Meeting Carmel Valley April 21st, 2011

EBM Initiative Goal



Enhance ecosystem-based management & inform marine spatial planning in MBNMS by applying the best available science and integrating and coordinating with partner agencies

EBM Initiative Objectives

- Maintain/restore marine ecosystem health and function;
- Ensure protection of unique and rare features;
- Facilitate research to differentiate between natural variation versus human impacts;
- Facilitate ecologically and economically sustainable uses, including fisheries.

Basic Steps of Initiative

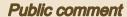
1. Information gathering

2. Propose & implement strategies

3. Monitor, adapt, assess

2010 2011 2012 2013 2014 2015

Stakeholder engagement



Collaborations

Partner Advice

Sanctuary Advisory
Committee

Workshops

EBM SAC Subcommittee

Proposals for ideas

MBNMS AC Working Groups

Information gathering

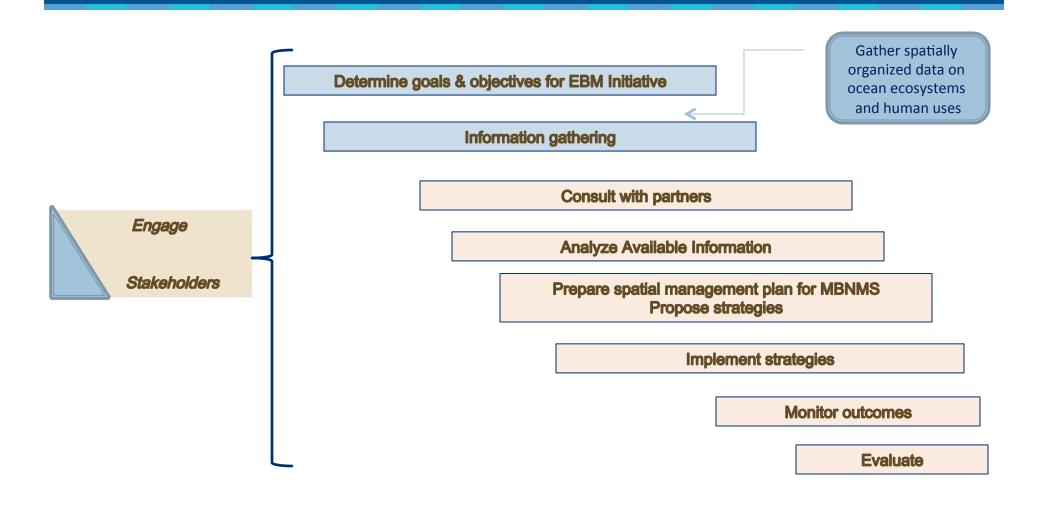
Propose & Implement Strategies

Adaptive Management

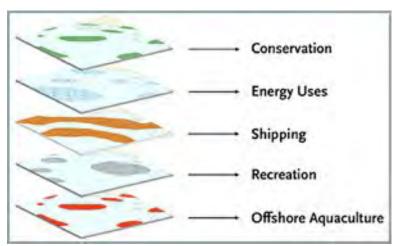


Represents stakeholder engagement

EBM Coastal & Marine Spatial Planning



Potential Stakeholders









Stakeholder groups in MBNMS

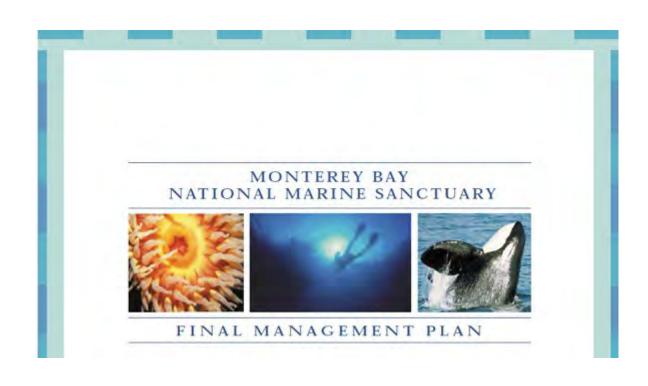
- Agricultural community
- Boaters, fishers, sailors, divers
- Industry- shipping, business, aquaculture, cruise ships, labs, aquariums
- Alternative energy- power plants, wave energy, wind turbines



We need your help to identify who and what different groups are doing and how they can get engaged in the EBM Initiative...



EBM Initiative aligned with MBNMS Management Plan



Addresses Mgt Plan

- Coastal development
- Ecosystem protection
- Partnerships & opportunities
- Water Quality
- Wildlife disturbance
- Cross-Cutting





1. Information Gathering FY 2010-2012

Short term actions

1. Information gathering

Follow up Research Workshop

Unique rare Workshop May 2011

Ecosystem health
IEA revision and data gathering

Sustainable Use Recreational boating speaker series

Sustainable Use Identify projects and host workshop

2010 2011 2012

Objective 1. Ecosystem Health

Information gathering

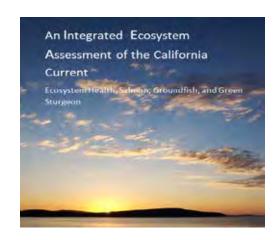
1st Generation IEA completed Natural Resource Assessment DRAFT IEA completed

Ecosystem Health workshop

Scoping
Stakeholder engagement

Oct 2010 Mar 2011

Oct 2011 Nov 2011



Objective 1: Ecosystem Health

Integrated Ecosystem Assessment



Objective 2. Protect Unique & Rare

Information gathering



Objective 2. Unique/Rare

- May 24th Unique and Rare information gathering workshop
- NMFS Santa Cruz
- Goal: identify biological, oceanographic, geological features and submerged cultural resources that are unique and rare in Monterey Bay National Marine Sanctuary and to identify supporting data sources and information gaps.

Unique & Rare workshop

- Location: National Marine Fisheries Service
 - Southwest Fisheries Science Center
 110 Shaffer Road, Santa Cruz, CA 95060

When: 8:30am - 5:00pm on Tuesday May 24, 2011

Workshop Objectives:

- 1: Briefly describe the MBNMS EBM Initiative
- 2. Refine the draft list of unique and/or rare features
- 3: Review the attributes applied to features
- 4: Identify relevant data sources (e.g., GIS data layers, scientific papers, unpublished data, expert opinion) and information gaps
- 5: Provide opportunity to share the process being used to identifying unique and/or rare features in MBNMS and gain feedback

Questions/Homework for you Unique/Rare workshop

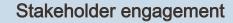
- Communicate with your constituents to find out:
- 1) What are the Unique and Rare Features in the MBNMS- including submerged cultural resources, biological, oceanographic, and geological?
- 2) Are there data sources available to inform the URF workshop?

Objective 3. Facilitate Research

Information gathering

Research Areas workshop Workshop report completed & distributed Follow up Task Force

Identify strategies to facilitate research





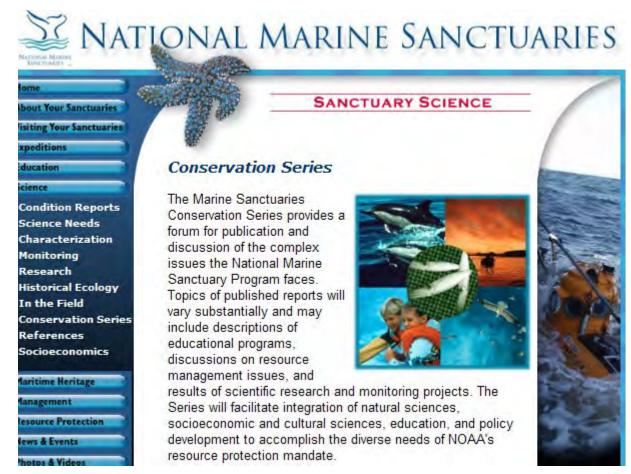


April 2011 Dec 2011

Research Areas workshop Key findings

- Many scientists feel they are also stakeholders
- Current spatial management is very complicated. Each agency focused on own mandates and regulations. CMSP allows more holistic and cooperative perspective.
- Regulations and permitting requirements limit ability to do research.
- Areas are needed where manipulative research is promoted to study both applied and basic research questions.
- Sentinel sites could serve to protect scientific equipment with efficient enforcement, and add value by co-locating compatible individual research studies, sharing equipment, or data.

Research workshop summary Submitted to National Marine Sanctuary Conservation Series



- April 2011
- Distributed to participants & interested parties after formal review
- Press Release

Objective 4. Promote sustainable uses

Information gathering

Sustainable uses brainstorming

Recreational Boating Speaker Series Sustainable Use workshop #1

Socio-economic profile

Stakeholder engagement



Oct 2010



Aug 2011



Dec 2011

Potential projects by partners and ocean interest users

Individual Transfer Quota Central California Coast Emerging Issues

Sustainable Fishing Association

Objective 4: Promote sustainable uses



Speaker Series – May-July 2011

yachting & kayaking, paddling

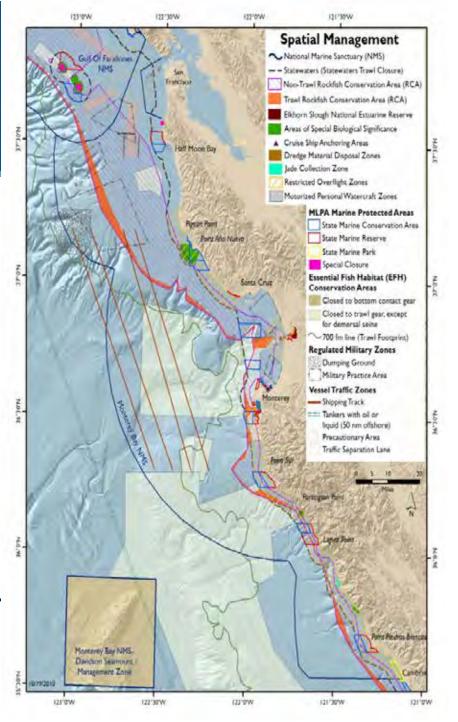




2. Propose & Implement Strategies FY 2011-2013

Potential pathways and partnerships

- Sustainable fishing projects
- Essential Fish Habitat
- MSA/NMSA
- ITQ Ground fish project
- Sustainable seafood market
- Coastal & Marine Spatial Planning
- Ecosystem Fishery Manager
 Plan



Propose & Implement Strategies

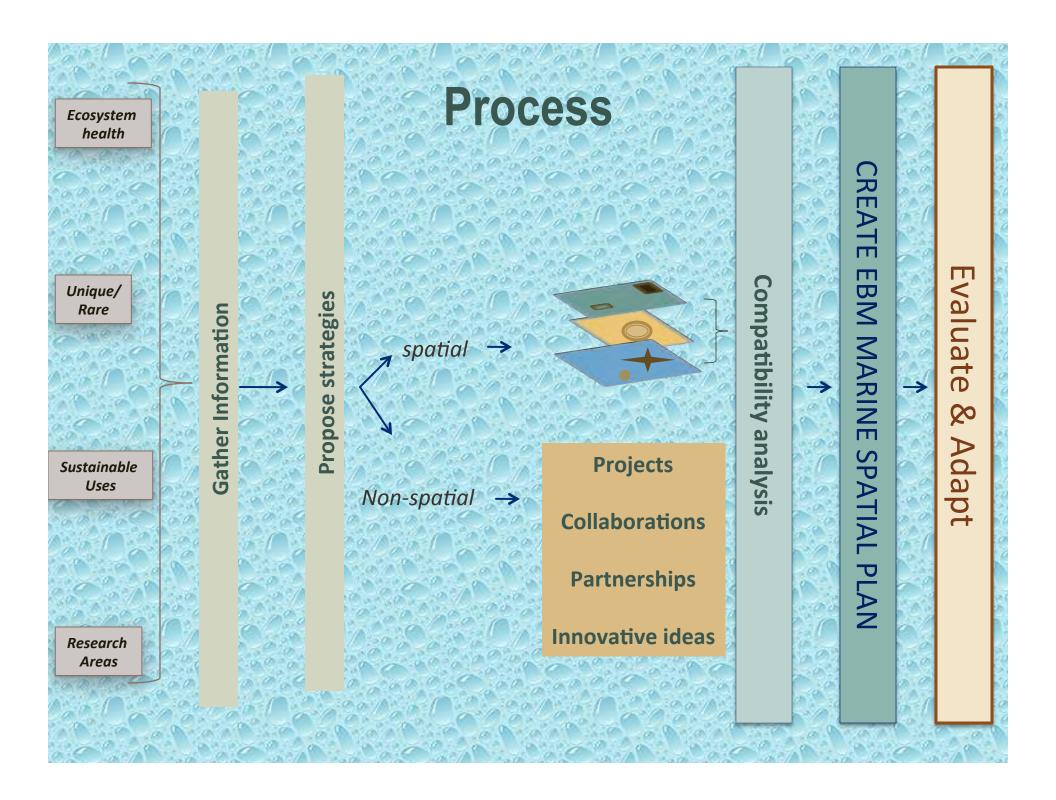
Are there key intersection points that you know of?

 Engage and involve existing programs, activities and initiatives





3. Evaluate & Adaptive Management FY 2013-....



Long term actions

1. Information gathering

- Collect information on 4 objectives
- Understand human uses and socio-economics of MBNMS
- Understand compatibility and cumulative impacts of different uses
- Host Coastal and Marine spatial planning partner summit

2. Propose & implement strategies

- Work to identify regulatory and non-regulatory strategies
- Work with collaborators to influence existing processes and initiatives
- Partner with stakeholders to propose innovative programs
- Propose strategies based on information gathering
- Create marine spatial plan for MBNMS in collaboration with partners

3. Monitor, adapt, assess

- Monitor marine resources and activities within MBNMS
- Evaluate effectiveness of different strategies
- Adapt management based on findings

2010 2011 2012 2013 2014

What are we working toward?

Through collaborative participatory process:

- A comprehensive spatial, integrated EBM plan for MBNMS that optimizes resource protection with sustainable uses
- This plan will be developed by considering other agency policy decisions (i.e. EFH Review, Ecosystem FMP)
- Modifications in spatial & non-spatial management may be proposed
- Modifications in management may be achieved thru regulatory & non-regulatory means





How you can play an important role in making the EBM Initiative a success!

We need your help...

- Input on EBM Initiative Process and Plan
- Helping us engage with stakeholders
- Help us broaden our communications to interested parties across Monterey Bay

Who should we talk to? Are there speaking opportunities to share the EBM Initiative?

- What are the opportunities to engage with your constituents?
- Are there upcoming venues to inform and involve wider groups in EBM Initiative?
- A few upcoming opportunities:
 - Ideas????

Moving toward....

